

Shuying Huang

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,478
citations

331670

21
h-index

330143

37
g-index

61
all docs

61
docs citations

61
times ranked

1022
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimodal Sensor Medical Image Fusion Based on Type-2 Fuzzy Logic in NSCT Domain. IEEE Sensors Journal, 2016, 16, 3735-3745.	4.7	171
2	Medical Image Fusion via an Effective Wavelet-Based Approach. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.7	127
3	Multiple Visual Features Measurement With Gradient Domain Guided Filtering for Multisensor Image Fusion. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 691-703.	4.7	80
4	Remote Sensing Image Fusion Based on Adaptive IHS and Multiscale Guided Filter. IEEE Access, 2016, 4, 4573-4582.	4.2	70
5	Multi-Focus Image Fusion Based on NSCT and Focused Area Detection. IEEE Sensors Journal, 2014, , 1-1.	4.7	68
6	Multilevel Features Convolutional Neural Network for Multifocus Image Fusion. IEEE Transactions on Computational Imaging, 2019, 5, 262-273.	4.4	68
7	Multi-focus Image Fusion Using an Effective Discrete Wavelet Transform Based Algorithm. Measurement Science Review, 2014, 14, 102-108.	1.0	56
8	Multimodal Medical Image Fusion Based on Fuzzy Discrimination With Structural Patch Decomposition. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1647-1660.	6.3	56
9	Robust Single-Image Super-Resolution Based on Adaptive Edge-Preserving Smoothing Regularization. IEEE Transactions on Image Processing, 2018, 27, 2650-2663.	9.8	53
10	Infrared and Visible Image Fusion via Texture Conditional Generative Adversarial Network. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 4771-4783.	8.3	53
11	A Novel Pan-Sharpener Framework Based on Matting Model and Multiscale Transform. Remote Sensing, 2017, 9, 391.	4.0	45
12	Log-Gabor Energy Based Multimodal Medical Image Fusion in NSCT Domain. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-12.	1.3	41
13	Dual-Tree Complex Wavelet Transform and Image Block Residual-Based Multi-Focus Image Fusion in Visual Sensor Networks. Sensors, 2014, 14, 22408-22430.	3.8	36
14	Multifocus Image Fusion Based on Extreme Learning Machine and Human Visual System. IEEE Access, 2017, 5, 6989-7000.	4.2	34
15	Infrared and Visible Image Fusion Using Visual Saliency Sparse Representation and Detail Injection Model. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	4.7	32
16	A Hybrid Method for Multi-Focus Image Fusion Based on Fast Discrete Curvelet Transform. IEEE Access, 2017, 5, 14898-14913.	4.2	31
17	Multi-Focus Image Fusion via Clustering PCA Based Joint Dictionary Learning. IEEE Access, 2017, 5, 16985-16997.	4.2	29
18	Technique for multi-focus image fusion based on fuzzy-adaptive pulse-coupled neural network. Signal, Image and Video Processing, 2017, 11, 439-446.	2.7	27

#	ARTICLE	IF	CITATIONS
19	Remote Sensing Image Fusion Based on Adaptively Weighted Joint Detail Injection. IEEE Access, 2018, 6, 6849-6864.	4.2	27
20	A Unified Pansharpening Model Based on Band-Adaptive Gradient and Detail Correction. IEEE Transactions on Image Processing, 2022, 31, 918-933.	9.8	26
21	Robust Sparse Representation Combined With Adaptive PCNN for Multifocus Image Fusion. IEEE Access, 2018, 6, 20138-20151.	4.2	25
22	Remote Sensing Image Fusion Based on Fuzzy Logic and Saliency Measure. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1943-1947.	3.1	21
23	Pansharpening Based on Joint-Guided Detail Extraction. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 389-401.	4.9	20
24	Compensation Details-Based Injection Model for Remote Sensing Image Fusion. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 734-738.	3.1	19
25	Pansharpening for Multiband Images With Adaptive Spectral Intensity Modulation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3196-3208.	4.9	19
26	Multi-Frame Super-Resolution Reconstruction Based on Gradient Vector Flow Hybrid Field. IEEE Access, 2017, 5, 21669-21683.	4.2	17
27	Dual-Stream Convolutional Neural Network With Residual Information Enhancement for Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	17
28	PCDRN: Progressive Cascade Deep Residual Network for Pansharpening. Remote Sensing, 2020, 12, 676.	4.0	15
29	Multiband Remote Sensing Image Pansharpening Based on Dual-Injection Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1888-1904.	4.9	15
30	An efficient and high-quality pansharpening model based on conditional random fields. Information Sciences, 2021, 553, 1-18.	6.9	14
31	Multixposure Estimation and Fusion Based on a Sparsity Exposure Dictionary. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4753-4767.	4.7	13
32	Pansharpening Based on Low-Rank Fuzzy Fusion and Detail Supplement. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5466-5479.	4.9	13
33	Multilevel and Multiscale Network for Single-Image Super-Resolution. IEEE Signal Processing Letters, 2019, 26, 1877-1881.	3.6	12
34	Multi-Focus Image Fusion Based on a Non-Fixed-Base Dictionary and Multi-Measure Optimization. IEEE Access, 2019, 7, 46376-46388.	4.2	11
35	Wavelet based approach for fusing computed tomography and magnetic resonance images. , 2009, , .		10
36	Face Deduplication in Video Surveillance. International Journal of Pattern Recognition and Artificial Intelligence, 2018, 32, 1856001.	1.2	10

#	ARTICLE	IF	CITATIONS
37	MMDN: Multi-Scale and Multi-Distillation Dilated Network for Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	10
38	Image Dehazing Based on Robust Sparse Representation. IEEE Access, 2018, 6, 53907-53917.	4.2	9
39	Effective Multifocus Image Fusion Based on HVS and BP Neural Network. Scientific World Journal, The, 2014, 2014, 1-10.	2.1	8
40	End-to-End Rain Removal Network Based on Progressive Residual Detail Supplement. IEEE Transactions on Multimedia, 2022, 24, 1622-1636.	7.2	8
41	Multimodal Medical Image Fusion Based on Weighted Local Energy Matching Measurement and Improved Spatial Frequency. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-16.	4.7	7
42	Multi-Sensor Fusion of Infrared and Visible Images Based on Modified Side Window Filter and Intensity Transformation. IEEE Sensors Journal, 2021, 21, 24829-24843.	4.7	6
43	Pansharpening Based on Variational Fractional-Order Geometry Model and Optimized Injection Gains. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2128-2141.	4.9	5
44	Multi-Scale Exposure Fusion Based on Multi-Visual Feature Measurement and Detail Enhancement Representation. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	4.7	5
45	Segmentation of Retinal Image Vessels with a Novel Automated Approach. , 2006, , .		4
46	Retinal image mosaic base on Genetic Algorithm and automated blood vessel extracting approach. , 2008, , .		4
47	Medical Image Segmentation Based on Level Set Combining with Region Information. , 2008, , .		4
48	An end-to-end dehazing network with transitional convolution layer. Multidimensional Systems and Signal Processing, 2020, 31, 1603-1623.	2.6	4
49	Infrared and Visible Image Fusion Based on Multiscale Network with Dual-channel Information Cross Fusion Block. , 2021, , .		4
50	Infrared and Visible Image Fusion Based on Dual-Kernel Side Window Filtering and S-Shaped Curve Transformation. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	4.7	4
51	Multi-frame image super-resolution reconstruction based on spatial information weighted fields of experts. Multidimensional Systems and Signal Processing, 2020, 31, 1-20.	2.6	3
52	An Efficient Pansharpening Approach Based on Texture Correction and Detail Refinement. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	3
53	DCNP: Dual-Information Compensation Network for Pansharpening. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	3
54	Multi-focus image fusion via NSST with non-fixed base dictionary learning. International Journal of Systems Assurance Engineering and Management, 2020, 11, 849-855.	2.4	2

#	ARTICLE	IF	CITATIONS
55	An Efficient Pansharpening Method Based On Conditional Random Fields. , 2020, , .		2
56	Deep quantification down-plane-upsampling residual learning for single image super-resolution. International Journal of Machine Learning and Cybernetics, 2020, 11, 1923-1937.	3.6	2
57	Fusion of CT & MR Images with a Novel Method Based on Wavelet Transform. , 2009, , .		0
58	AFOD Regularization for Super-Resolution Reconstruction. Procedia Engineering, 2011, 24, 1-5.	1.2	0
59	An Improved PDE Based Super-Resolution Reconstruction Algorithm. Procedia Engineering, 2012, 29, 2838-2842.	1.2	0
60	Low-light image enhancement network based on multi-stream information supplement. Multidimensional Systems and Signal Processing, 0, , 1.	2.6	0
61	Image Super-Resolution Reconstruction Based on Multi-scale Residual Learning. , 2021, , .		0